

CLAIMS

1. A system for notifying detected tyre operating conditions comprising:

- a receiving device for receiving tyre operating parameters detected by at least a sensor associated with at least a tyre of a vehicle, and

- a notifying device for notifying to persons inside the vehicle an indication of said tyre operating conditions, determined on the basis of said received operating parameters,

characterised in that

said notifying device comprises a radio data system transmission module for generating a signal receivable by a RDS/RBDS radio receiver, and for transmitting the indication of the tyre operating conditions exploiting the RDS/RBDS protocol, thereby the persons inside the vehicle are notified of the tyre operating conditions through a RDS radio receiver installed on the vehicle.

2. The system according to claim 1, in which:

the notifying device comprises a microcontroller (209), fed by the receiving device, for determining a message to be notified on the basis of the received vehicle tyre operating parameters,

and in which:

the radio data transmission module comprises a message

formatting device (217a,217b) for formatting the message to be notified in accordance with the RDS/RBDS protocol, and

a radio transmitter (217c) for generating a signal, carrying the formatted message, receivable by a standard
5 vehicle RDS/RBDS radio receiver system.

3. The system according to claim 1, further comprising a coupling device (217d) for coupling the radio transmitter to an RDS/RBDS radio receiver installed on the vehicle.

4. The system according to claim 3, in which the coupling
10 device comprise an antenna coupler (217d) and an antenna cable (225) connectable to an antenna input (221) of the RDS/RBDS radio receiver installed on the vehicle.

5. The system according to any one of the preceding claims, in which the receiving device (207) is adapted to receive a
15 radio signal transmitted by the sensors.

6. The system according to any one of the preceding claims, further comprising an audio signal generator (219) adapted to directly drive a loudspeaker system (113) of the RDS radio receiver installed on the vehicle for acoustically
20 notifying the indication of the tyre operating conditions.

7. The system according to claim 1, in which said sensors include pressure sensors associated with the tyres for measuring an inflation pressure thereof.

8. The system according to claim 1, in which said sensors
25 include temperature sensors associated with the tyres for

measuring a temperature thereof.

9. A method for notifying detected operating condition of tyres comprising:

- receiving tyre operating parameters from at least a
5 tyre sensor (105) associated with at least a tyre of
a vehicle, and
- on the basis of the received tyre operating
parameters, notifying an indication of the tyre
operating conditions to persons inside the vehicle,

10 characterised in that said notifying comprises:

- transmitting said indication in a form compliant to
the RDS/RBDS protocol, thereby the indication is
receivable by a RDS/RBDS radio receiver installed on
the vehicle.